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Transforming to an integrated energy company



Resilient hydrocarbons

- Oil and gas
- Refining

Transition growth engines -

Bioenergy¹

Convenience and mobility

- Retail fuels
- Castrol, aviation, B2B/midstream

- Convenience
- EV Charging

Low carbon energy

- Hydrogen
- Renewables & Power

Sustainability



Hydrogen and Renewables & Power – focusing investment



2030 aim \$2-3bn EBITDA* Hydrogen

double digit

expected returns

Renewables

6-87

unlevered

expected returns

~\$30bn

cumulative capex 2023-30

Hydrogen

Key enabler to decarbonise hard to abate sectors

Early stage, fast growing sector with high barriers to entry

Renewables & Power

Integration increasingly a key value driver

Scale and complexity in offshore wind supports enhanced returns

Hydrogen

Building a leading position globally

- Starting with own operations bp's refining demand
- Scaling-up refining facilities to regional hubs in US and Europe
- Building export hubs for hydrogen and hydrogen derivatives

Aim to deliver

0.5-0.7mtpa

hydrogen production by 2030

Renewables & Power

Creating value through integration

- Focusing investment in service of integration with hydrogen, trading, EVs and e-fuels
- Building our capability in offshore wind
- Scaling Lightsource bp: world class solar developer, self funding

Aim to deliver

50GW net

developed to FID by 2030

Aim to deliver

~10GW net

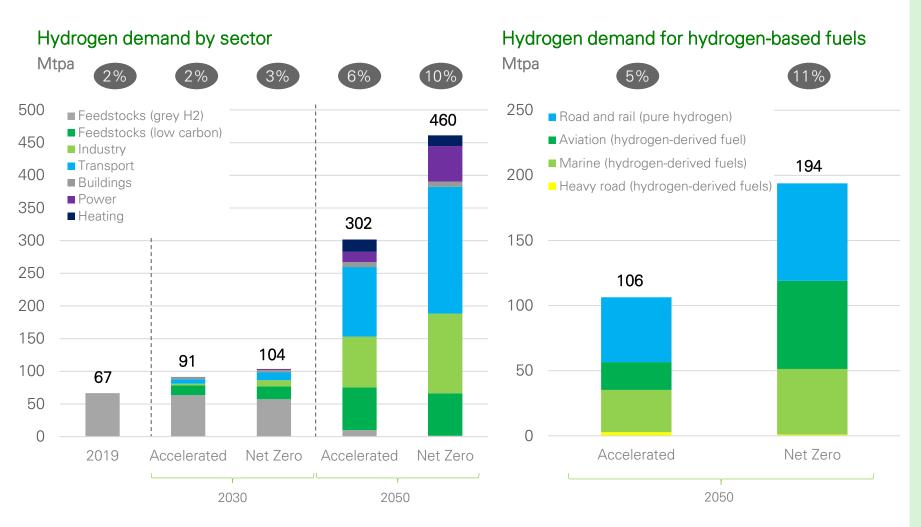
installed capacity by 2030





Hydrogen will play a key role across applications in industry, transportation and energy





Demand could increase by ~7x by 2050 with low-carbon hydrogen expected to represent ~96% (Acc), driven by adoption in:

- H₂ as feedstock:
 - Transition from grey to clean hydrogen (refining, ammonia, methanol etc.)
 - DRI as a new application replacing coke
- Heat generation:
 - High-grade heat in industry, hard to electrify, replacing coal, oil, and natural gas
 - Decentralized residential heating, replacing natural gas
- Transportation: HD and long distance like trucks, marine, aviation, replacing diesel, gasoline, kerosene, HFO
- Power: Renewables firming, seasonal storage, arbitrage

H₂ demand as % of total final consumptiuon of energy across all sectors / transport